Physica B: Condensed Matter 2003 vol.329-333 NII, pages 1101-1102

# NMR study of enriched195Pt metal

Suzuki H., Kobayashi E., Abe S., Matsumoto K., Mukhamedshin I., Egorov A., Tagirov M.
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

## Abstract

The natural Pt metal has many isotopes. Among them only 195Pt has the nuclear spin, I = 1/2. The Pt metal is an ideal system to investigate the concentration dependence of the nuclear spin order without changing the electronic properties. The NMR measurement was performed in the enriched 97% 195Pt metal. The value of T1T was the same as in the natural Pt. However T2 in the enriched Pt was shorter than that in the natural Pt. We also observed the magnetic field dependence of T2 in the enriched Pt. The nuclear spin order of the enriched 195Pt will be fully discussed. 

http://dx.doi.org/10.1016/S0921-4526(02)02358-X

## Keywords

Nuclear spin order, Nuclear spin-lattice relaxation, Spin-spin relaxation time